

II. Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. – 9. (cancelled)

10. (currently amended) ~~The method of claim 1 further comprising the steps of:~~ A method of treating a subterranean formation penetrated by a wellbore, comprising the steps of:

providing a casing in the wellbore; and

providing a tool comprising a material that breaks up or dissolves in the presence of an acid;

inserting the tool in the casing for performing a function;

perforating the casing to permit the flow of fluids from the formation, through the perforations, into the wellbore, through the tool, and to the ground surface; and

introducing the acid to the tool to break up or dissolve the tool.

11. (original) The method of claim 10 wherein the step of perforating is after the step of inserting and before the step of introducing.

12. (currently amended) The method of claim + 10 further comprising the step of pumping a fracturing/stimulation fluid into the wellbore for passing into the formation for promoting the flow of production fluids from the formation.

13. (original) The method of claim 12 where the fracturing/stimulation fluid is pumped into the wellbore after the step of inserting and before the step of introducing.

14. (currently amended) The method of claim + 10 wherein the tool comprises carbon.

15. (original) A method of treating a subterranean formation penetrated by a wellbore, comprising the steps of:

providing a tool comprising a material that breaks up or dissolves in the presence of an acid;

inserting the tool at a predetermined location in the wellbore to seal the interface between the tool and the wellbore;

introducing a fracturing/stimulation fluid into the wellbore for passing into the formation for promoting the flow of production fluids from the formation; and

introducing the acid to the tool to break up or dissolve the tool.

16. (original) The method of claim 15 wherein the acid comprises a mineral acid.
17. (original) The method of claim 15 wherein the tool comprises at least one metal selected from the group consisting of magnesium, aluminum, zinc, iron, tin, and lead.
18. (original) The method of claim 15 wherein:
the tool comprises a metal; and
the acid comprises a mineral acid that reacts with the metal.
19. (original) The method of claim 15 wherein:
at least a portion of the tool comprises at least one metal selected from the group consisting of magnesium, aluminum, zinc, iron, tin, and lead; and
the acid comprises a mineral acid that reacts with the metal.
20. (original) The method of claim 19 wherein the metal is magnesium.
21. (original) The method of claim 19 wherein the mineral acid comprises hydrochloric acid.
22. (original) The method of claim 15 further comprising the steps of:
providing a casing in the wellbore; and
perforating the casing to permit the flow of fluids from the formation, through the perforations, into the wellbore, through the tool, and to the ground surface.

23. (original) The method of claim 22 wherein the step of perforating is after the step of inserting and before the step of introducing.

24. (original) The method of claim 15 wherein the fracturing/stimulation fluid is introduced above the tool.

25. (original) The method of claim 15 wherein the fracturing/stimulation fluid is introduced into the wellbore after the step of inserting.

26. (original) The method of claim 15 wherein the tool comprises carbon.

27.-31. (cancelled)